

KOWALCZYK, Mieczyslaw

SURNAME, Given Names

Country: Poland

2

Academic Degrees: Lekarz Physician

Affiliation: Second Clinic of Internal Diseases (II Klinika Chorob Wewnętrz-
nych), School of Medicine (Akademia Medyczna), Krakow;
Director: Prof. T. TEMPKA, dr med.

Source: Warsaw, Przegląd Lekarski, No 6, 1961, pp 225-227.

Data: "Remarks on Sending Patients for Spa Treatment."

GPO 981643

KOWALCZYK, R.

Winged farmers. p. 211. (SKRZYDLATA POLSKA, Vol. 10, No. 14, Apr. 1954,
Warszawa, Poland)

SO: Monthly List of East European Accessions, (EEAL), IC, Vol. 3, No. 12, Dec.
1954, Uncl.

KOŁODZIEJCZAK, J.; KOWALCZYK, R.

Effective mass of holes in InSb. Acta physica Pol 21 no.4:389-398
Ap '62.

1. Institute of Physics, Polish Academy of Sciences, Warsaw.

KOWALCZYK, R.

WISLICKI, A,: KOWALCZYK, R., "Assembling The Steel Frame Of The Palace Of Culture And Science In Warsaw" p. 87. (Przegląd Budowlany, Vol. 5, no. 3, Mar. 1953, Warszawa)

East European Vol. 3, No. 2,
SO: Monthly List of ~~Russian~~ Accessions, Library of Congress, February, 1954, ~~1953~~, Uncl.

KOWALCZYK, R.

Prestressed constructions in the German Democratic Republic; a report on a trip. *Pr.* 141. Vol. 12, no. 4, Apr. 1955. INZYNIERIA I BUDOWNICTWO. Warszawa.

Source: East European Accessions List (EEAL), IC, Vol. 5, no. 3. March 1956.

KOWALCZYK, R.

Activities of the Department of Steel Constructions of the Institute of Building Construction. p. 142. Vol. 12, no. 4, Apr. 1955. INZYNIERIA I BUDOWNICTWO. Warszawa.

Source: East European Accessions List (EEAL), IC, Vol. 5, no. 3. March 1956.

KOWALCZYK, R.; TAUBIERSKI, T.; THIEL, K.

Winter building activities and modern Danish building at the Copenhagen meeting. p. 24. (Budownictwo Przemyslowe, Vol. 5, No. 7/8, July/Aug 1956, Warsaw, Poland)

SC: Monthly List of East European Accessions (FEAL) IC, Vol. 6, No. 8, Aug 1957. Uncl.

JAROSZ, Tadeusz, (Warszawa); KOWALCZYK, Ryszard (Warszawa)

Mechanical properties of the Polish 61/5 cables for prestressed concrete. Archiw inż lad 6 no.3:361-382 '60.

KOWALCZYK, Ryszard, mgr inż.

"Justification of geodetic instruments" by B. S. Grishin.
Reviewed by Ryszard Kowalczyk. Przegl geod 35 no. 6:268
Je '63.

GRANDT, Andrzej; ROMAŁCZYK, Ryszard (Warsaw)

Outlines of a synthesis of the topics of research works
carried on in the field of concrete in Poland in 1963.
Archiv inż. ied 10 no.4:478-484 '64.

KOWALCZYK, Ryszard, dr inz.; ROSLI, Alfred, dr inz.

Prestressed bridge testing in Opfikon near Zurich, Switezerland.
Inz i bud 21 no.3:77-86 Mr '64.

L 21457-66 IJP(c) AT

ACC NR: AP6001449

SOURCE CODE: PO/0045/65/028/005/0681/0687

AUTHOR: Kowalczyk, R.; Pirog, M.; Sujak, B.

ORG: [Kowalczyk; Pirog] Solid Surface Physics Laboratory, Department of Experimental Physics, Pedagogical College of Opole, Poland (Zaklad Fizyki Powierzchni Ciala Stalego, Katedra Fizyki Doswiadczalnej Wyzej Szkoły Pedagogicznej w Opolu); [Sujak] Laboratory for Induced Electron Emission, Institute of Experimental Physics, Wroclaw University, Poland Department of Experimental Physics, Pedagogical College of Opole, Poland (Zaklad Wzbudzonej Emisji Elektronow, Katedra Fizyki Doswiadczalnej Uniwersytetu Wroclawskiego)

TITLE: ^{21, 44-154}Thermostimulated exoelectron emission from hydrates, as detected in atmospheric air

SOURCE: Acta physica polonica, v. 28, no. 5, 1965, 681-687

TOPIC TAGS: exoelectron emission, atmospheric air, crystalline hydrates, quinine sulfate

ABSTRACT: An open point counter with quenching vapor over a free liquid surface was used in investigations of exoelectron emission from the following crystalline hydrates in the process of bonding and losing water molecules: $C_{20}H_{24}O_2 \cdot H_2SO_4 \cdot 8H_2O$, $Na_2CO_3 \cdot 10H_2O$, $NiSO_4 \cdot 7H_2O$,

Card 1/2

L 21457-66

ACC NR: AP6001449

CuSO₄ . 5H₂O, MgSO₄ . 7H₂O, FeSO₄ . 7H₂O. Emission of exoelectrons into an atmosphere of air was observed to occur only from quinine sulfate. Irradiation of previously dehydrated hydrates with UV radiation as well as with α and β particles failed to excite the samples to emit exoelectrons when heated in an atmosphere of air. Orig. art. has: 7 figures. [Author's abstract.]

[KS]

SUB CODE: 20,08 SUBM DATE: 31Mar65/ ORIG REF: 006/ OTH REF: 003

Card 2/2 dda

PJA KOWALCZYK, S.

1130

021.009

Kowalczyk S. Organizing the Production of Machine-Tools.

„Organizacja produkcji maszyn roboczych” Przegląd Mechaniczny, No. 4, 1951, pp. 95—100, 3 figs., 2 tabs.

Mass production, production in lots, production of single pieces; the chief characteristics of these methods of production. The choice of parameters for a new machine must be made in accordance with the exigencies of production and the possibilities of our industry. The necessity of specialization in industrial plants. The working plan of industrial plants must be elastic enough to allow of alteration in the production program from one quarter of the year to another. Technical control in the works should guarantee the supply to the shops of proper materials (or raw materials) to keep the technological process at the correct level and without defective parts. Technical conditions of production and of the final control of machines produced.

KOWALCZYK, St. (Warszawa)

Observations on the influence of the hormonal and surgical castration
upon the fattening process in female swine. Rocznik nauk rolniczych 70
no.1/4:316-319 '60. (EEAI 10:9)

(Swine) (Castration)

KOWALCZYK, Stanislaw

Dr. Aleksander Jaworowski, librarian of the Medical Association.
Ann.Univ.Lublin; sec.D 14:1-5 '59.

1. Z Biblioteki Glownej Akademii Medycznej w Lublinie Dyrektor:
mgr Stanislaw Kowalczyk.
(BIOGRAPHIES)

KOWALCZYK, Stanislaw

The Medical Society of Lublin 1874-1944. Social and medical activity.
Ann. univ. Lublin sec.D 15:15-32 '60..

1. Z Biblioteki Glownej Akademii Medycznej w Lublinie Dyrektor
Biblioteki: mgr Stanislaw Kowalczyk.
(SOCIETIES MEDICAL hist.)

KOWALCZYK, Stanislaw

The Lublin Medical Society 1874--1944. Scientific activity. I.
Ann. Univ., Lublin sect.D 16:1-11 '61.

1. Z Biblioteki Glownej Akademii Medycznej w Lublinie Dyrektor
Biblioteki: mgr Stanislaw Kowalczyk.
(SOCIETIES MEDICAL) (HISTORY OF MEDICINE XIX CENT)
(HISTORY OF MEDICINE XX CENT)

KOWALCZYK, Stanislaw

The Lublin Medical Society 1874--1944. Scientific activity. II.
Ann. Univ., Lublin sect.D 16:13-26 '61.

1. Z Biblioteki Glownej Akademii Medycznej w Lublinie Dyrektor
Biblioteki: mgr Stanislaw Kowalczyk.
(SOCIETIES MEDICAL) (HISTORY OF MEDICINE XIX CENT)
(HISTORY OF MEDICINE XX CENT)

KOWALCZYK, Stanislaw

SURNAME, Given Names

Country: Poland

Academic Degrees: [not given]

Affiliation:

Source: Lublin, Medycyna Weterynaryjna, Vol XVII, No 10, October 1961,
pp 598-601

Data: "Tumor from the Granular Layer of the Graafian Vessicle
of the Ovary in a Cow."

✓ PREIBISCH, Jerzy, Department of Pathological Anatomy (Katedra Anatomii
Patologicznej), Veterinary Department (Wydział Weterynaryjny) of the
SGGW [Abbreviation not identified], Warsaw; Director (Kierownik):
Prof Dr Heliodor Szwejkowski

✓ KOWALCZYK, Stanislaw, Department of Obstetrics and Reproductive Pathology
of Animals (Katedra Poloznictwa i Patologii Rozrodu Zwierząt), Veterinary
Department (Wydział Weterynaryjny SGGW [Abbreviation not identified],
Warsaw; Director (Kierownik): Prof Dr Roman Hoppe

[POLAND]

KOWALCZYK, Stanislaw, Dr., Obstetrical Clinic (Klinika Po-
łożnictwa), Veterinary Division (Wydział Weterynaryj), SGGW
[Szkoła Główna Gospodarstwa Wiejskiego, Main School of Rural
Economy] in Warsaw (Director: Prof. Dr. Roman HOPPE)

"Whiteside's Modified Test and Its Value for Diagnosis of
Chronic Inflammations of Mammary Glands in Cows."

Warsaw-Lublin, Medycyna Weterynaryjna, Vol 18, No 12, Dec
62, pp 710-712.

Abstract: Author describes in detail a modification (Han-
sen and Murphy) of the Whiteside test, which can be easily
performed in the field and be completed in about half an
hour. Precautions to avoid failure of the test are given.
All four references are English.

[1/1]

POLAND

KOWALCZYK, Stanislaw, Obstetrical Clinic [Klinika Polozni-
cza], Veterinary Division (Wydzial Weterynaryj), SGGW
[Szkoła Główna Gospodarstwa Wiejskiego, Main School of Rural
Economy] in Warsaw (Director: Prof. Dr. Roman HOPPE)

"Synthetic Oestrogens and the So-called 'Hormonal Castra-
tion'."

Warsaw-Lublin, Medycyna Weterynaryjna, Vol 19, No 2, Feb
63, pp 106-110.

Abstract: Review article from the literature on our know-
ledge under the headings of factors affecting the action
of oestrogens in the organism and on the mechanism of their
action. Most of the 40 references are in English and
German.

1/1

22

POLAND

"APPROVED FOR RELEASE: Monday, July 31, 2000

CIA-RDP86-00513R0008

100

KOWALCZYK, Stanislaw, Obstetrical Clinic (Klinika Polozni-
cza), Veterinary Faculty (Wydzial Weterynaryjny), SGGW [Szk-
ola Główna Gospodarstwa Wiejskiego, Main School of Rural
Economy] in Warsaw (Director: Prof. Dr. R. HOPPE)

"Investigations on the Value of the CAMP Test for Detection
of *Streptococcus agalactiae*."

Warsaw-Lublin, Medycyna Weterynaryjna, Vol 19, No 8, Aug 63,
pp 468-471

Abstract: [Author's English summary modified] Author's re-
port on his study (actually performed at Ithaca, N.Y.),
which established that the CAMP test, using standardized
(for *Streptococcus* anti-beta-haemotoxin content) bovine
blood medium with addition of osculin, and the Murphy, Stu-
art, and Reed classification, gives a way to detect and dis-
tinguish between *S. agalactiae*, *S. dysgalactiae*, and *S.*
uberis, with the results of 256 studied strains agreeing
97 per cent with serological test findings. Five US refs.

1/1

9

KOWALCZYK, Stefania; ROJECKI, Ananiasz

Stanisława Kosinska-Bartnicka, Oct. 13, 1884 - Aug. 26, 1961. Przegl
geofiz 6 no:4:285-286 '61

Country	: Poland	H-3
Category=	: Chemical Technology. Chemical Products and Their Applications. Instruments and Automation	
Abs. Jour.	: Ref Zhur - Khim., No 11, 1959	38944
Author	: Kowalczyk, T.	
Institut.	: Not given	
Title	: Evaporator with Hydraulically Actuated Discharge Valve	
Orig. Pub.	: Gaz Cukrown, 59, No 11, 295-296 (1957)	
Abstract	: A hydraulic system has been developed for the remote-controlled operation of the discharge valves of evaporators used in sugar factories. The system consists of three basic units: (1) a hydraulically (oil) actuated mushroom-shaped valve of 400-500 mm diam, (2) a hydroelectric unit which automatically maintains the required pressure in accumulators which supply oil to 4-6 jacklines, and (3) a control station with a hydraulic selector for directing the flow of the oil which can be installed at the evaporator or at a centrally located point. The pressure on the oil in the accumulators is 18-20 atm and is	
Card:	1/2	
		H-8

KOWALCZYK, T.

COUNTRY : Poland
CATEGORY :

4-17

ABS. JOUR. : AZKhim., No. 16 1959, No. 58099

AUTHORS : Pafelovska, B., Kowalczyk, T., Oshb, S., and *

TITLE : The Use of Paper Chromatography in the Separation of Sulfamides in Medicinal Preparations

ORIG. PUB. : Chem Analit, 2, No 4, 366-375 (1958)

ABSTRACT : The authors have developed new methods for the separation of sulfamides in therapeutic preparations, based on the use of mixtures of n-butanol + 10% NH₄OH (100 : 30) and n-butanol + water (100 : 19) as solvents. The compositions of the preparations investigated are listed. The method [sic] developed makes it possible to detect impurities in sulfamide preparations, e.g., the presence of sulfathiazole in sulfadiazole preparations.

From authors' summary

CARD: 1/1 * Pafelovska, B.

KOWALCZYK, T.

Modern centrifuges in the sugar industry. p. 140

GAZETA CUKROWNICZA. (Stowarzyszenie Naukowo-Techniczne Inzynierow i Technikow Przenyslu Rolnego i Spozywczego i Centralny Zarzad Przenysiu Cukrowniczego) Warszawa, Poland. Vol. 61, no. 5, May 1959.

Monthly List of European Accessions (EEAI) LC, Vol. 8, no. 8
August 1959.

Uncl.

KOWALCZYK, Wladyslaw (Warsaw)

Twenty-years of achievements in organizing and building engineering schools in People's Poland (1944-1964). Przegl budowl i bud mieszk 27 [i.e. 37] no.3:124-134 Mr '65.

KOWALCZYK, Excerpta Medica Sec.10 Vol.11/7 Obstetrics and
Z, Gynaecology July 58

1120. MORPHOLOGIC PICTURE OF THE BLOOD OF A NEWBORN INFANT
WITH PARTICULAR REFERENCE TO THE CHANGES TAKING PLACE
DURING THE FIRST 24 HOURS OF LIFE - Obraz morfologiczny krwi
noworodka ze szczególnym uwzględnieniem zmian zachodzących w pierwszej
dobie życia - Kowalczyk Z. Klin. Niemowlęcej Inst. Matki i Dziecka,
Warsawa - PEDIAT.POL.1957, 32/5 (499-511) Tables 6

The influence of the delivery on the morphological picture of blood of women in
labour (56 cases) and in the newborn (56 cases) was investigated. Comparisons
were made of the picture of blood of women during the first and 2nd stage of labour
and the picture of blood of the children born by spontaneous delivery, caesarean
section and by means of forceps. The morphological composition of blood of the
newborn in 3 isolated groups showed quantitative fluctuations. The lowest level of
haemoglobin, the smallest number of erythrocytes and the largest number of reticu-
locytes and erythroblasts were found in children born by means of caesarean
section. In the blood of children born by forceps there was the greatest number of
leukocytes and the largest shift to the left; in the blood of children from spontan-
eous deliveries the smallest number of leukocytes and the smallest shift to
the left were observed. The reaction of the leukocytic system of a newborn
infant to birth trauma is the strongest during the first 12 hr. of life and is connect-
ed with the type and course of delivery.

(VII, 10)

1. Z KLINIKI NIEMOWLECEJ INST. MATKI I DZIECKA
W WARSZAWIE DYREKTOR INST. PROF. DR. MED

POLAND

Halina HOFMAN, Zofia KOWALCZYK and Irmina ZEIMAN, Infants' Department (Oddzial Mienowitczego) Head Dr H. HOFMAN; Mother-and-Child Institute Director (dyrektor) Prof Dr P. GROSS; and Warsaw Section (Pracownia Warszawska) Institute of Neuropathology of the Polish Academy of Sciences (Zaklad Neuropatologii PAN [Polskie Akademii Nauk]) Head of Section Decent Dr E. OSETOWSKA; Head of Institute Prof Dr A. KUNICKI, Warsaw.

"Congenital Progressive Werdnig-Hoffmann Muscular Atrophy."

Warsaw, Polski Tygodnik Lekarski, Vol 17, No 45, 5 Nov 1962; pp 1761-1763.

Abstract [English summary modified]: Clinical and comprehensive histopathological data on boy who died at 14 weeks of age. Widespread neuromuscular atrophy. Two slides, 6 Western and 2 Polish references.

1/1

KOWALCZYK, Z.

KOWALCZYK, Z. Determining Magnitude of the Transversal Error of Closure in Relation to the Starting Point of Triangulation. Geodezja i Kartografia Warszawa (Polish Academy of Science) Committee on Geodesy. 1954, v. 3, no. 2, p. 84.

KOWALCZYK, Z.

Achievements of the Academy of Mining and Metallurgy in Krakow in the 10 years of People's Poland against the background of the school's 35 years of existence. p. 227. (PRZEGLAD GORNICZY, Vol. 10, No. 7/8, July/Aug. 1954, Stalinogrod, Poland)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 3, No. 12, Dec. 1954, Uncl.

KOWALCZYK, Z.; MILEWSKI, M.

KOWALCZYK, Z.; MILEWSKI, M. The level rod constructed by Z. Kowalczyk. p. 41

N o. 1, 1956
GEODEZJA
SCIENCE
Warszawa, Poland

So: East European Accession, Vol.6, no. 2, Feb. 1957

KOWALCZYK, Z.

The development of the Academy of Mining and Metallurgy in Krakow.

P. 7 (BUDOWNICTWO PRZEMYSLOWE) Poland, Vol. 6, No. 1, 1956

SO: Monthly Index of East European Accessions (AEEI) Vol. 6, No. 11, November 1957

KOWALCZAK, Z.

History of the Academy of Mining and Metallurgy in Krakow. p. 9.
(GEOLOGIA. Vol. 10, no. 1, 1956, Krakow, Poland)

SO: Monthly List of East European Accessions (MEL) 12. Vol. 6, no. 12, Dec. 1957.
Uncl.

KOWALCZYK, Z. ; MILEWSKI, M.

Research on the possibility of using three plummets joined into a line for mine orientation.

P. 221. (GEODEZJA I KARTOGRAFIA) (Warszawa, Poland) Vol. 6, no. 4, 1957

SO: Monthly Index of East European Accession (EEAI) LC Vol. 7, No. 5, 1958

KOMALCZYK, Z.

An attempt at using photogrammetry in mining geology. p. 395.

PRZEGŁAD GEOLOGICZNY. (Wydawnictwa Geologiczne) Warszawa. Poland.
Vol. 7, no. 9, Sept. 1959.

Monthly List of East European Accessions (EEAI) LC, Vol. 9, no. 2, Feb. 1959.

Uncl.

KOWALCZYK, Zygmunt, prof. dr inz.

Determination of the rate of surface deformations as a result
of mining activities by means of vertical cross sections.
Geod i kart 9 no.2:101-103 '60.

S/035/62/000/008/050/090
A001/A101

AUTHOR: Kowalczyk, Zygmunt

TITLE: Scientific and educational activities of the mining geodesy division of the Mining-Metallurgical Academy in light of problems set for geodesy by national economy

PERIODICAL: Referativnyy zhurnal, Astronomiya i Geodeziya, no. 8, 1962, 1 - 2, abstract 8G5 ("Zesz. nauk. Akad. gór.-hutn.", 1961, no. 50, 75 - 81, Polish)

TEXT: The mining geodesy division of the Cracow Mining-Metallurgical Academy was established in 1951; it includes the following departments: mathematics, geodesy, higher geodesy and geodetic calculations, mining geodesy (consists of two sections: mine surveying and photogrammetry), engineering geodesy, soil science and construction engineering. Hundred students are admitted annually to the first course of the division. About 400 specialists have been graduated from the division during 15 years. A correspondence course section exists at the division. Scientific investigations deal with the following main problems: 1) methods of mine surveying, 2) rationalization of geodetic calculations, 3) appli-

Card 1/2

Scientific and educational activities of...

S/035/62/000/008/050/090
A001/A101

cation of optical and electronic measurement methods, 4) studies of deformations of buildings and constructions in regions of mining workings, 5) problems connected with utilization of territories left after mine exploitation. Over 400 scientific works have been published by the workers of the division. The plan of a further development of division scientific activities calls for elaboration of new methods of mine surveying and designing corresponding equipment (in particular, electronic devices for measuring distances, and automatic computers for geodetic calculations), investigation of the shape of the geoid, and introduction of photogrammetric methods into mine surveying and geologic surveys. ✓

K. Glazenap

[Abstracter's note: Complete translation]

Card 2/2

KOWALCZYK, Zygmunt, prof., dr., inż.

Contribution to investigations on the effect of mining by strips,
on the surface. Przegl gorn 17 no.7/8:359-362 J1-Ag '61.

S/035/62/000/010/128/128
A001/A101

AUTHOR: Kowalczyk, Zygmunt

TITLE: A camera for stereophotogrammetric survey

PERIODICAL: Referativnyy zhurnal, Astronomiya i Geodeziya, no. 10, 1962, 47,
abstract 10G250 P (Polish patent, cl. 42c, 10/01, no. 45267,
January 16, 1962)

TEXT: Invention consists in the design of a duplex photocamera for ground
stereophotogrammetric survey. Two cameras, whose objectives are focused in the
range from 1.6 m to infinity, are mounted on holders sliding along the base rule
fastened on the theodolite alidade. Separation between the cameras (base of sur-
vey) can vary, by steps of 100 mm, within the range from 0.4 to 1.2 m.

K. G.

[Abstracter's note: Complete translation]

Card 1/1

KOWALCZYK, Zygmunt, prof.dr.inz.

Geological underground documentation of ore deposits set up in
color photograms. Rudy i metale 7 no.7:302-306 J1 '62.

KOWALCZYK, Zygmunt, prof. dr inz.

Photogrammetric determination of ore-bearing and
mineralization coefficients. Rudy i metale 7 no.8:351-353
Ag '62.

KOWALCZYK, Zygmunt, prof., dr., inż.; SITEK, Zbigniew, mgr., inż.

Prototype of a stereometric camera for mining purposes.
Przegl gorn 18 no.1:47-51 '62.

KOWALCZYK, Zygmunt, prof. dr. inż.

On the necessity of complex research on tectonic movements in
Upper Silesia. Przegl gorn 18 no.6:317-327 Je '62.

KOWALCZYK, Zygmunt

Warsaw. Przegląd Inżynierski, Vol. XXIII, No 5, May 1952.

1. "Technographic Utilization of Photogrammetry." Adam LEMIELEWICZ, Master of engineering; pp. 177-182.
2. "Photogrammetry in Mining." Prof. Zygmunt KOWALCZYK, Doctor of engineering; pp. 183-191.
3. "Photogrammetry in Geological Research." Docent Emil-Adam GUZIK; pp. 192-197.
4. "Aerophotogrammetry and Agriculture." Valery FIEDOROVICH, Master of engineering; pp. 197-200.
5. "Aerophotogrammetry and Forestry." Krzysztof RUDZKI, Master of engineering; pp. 201-205.
6. "Aerial Reconnaissance Used for the Determination of the Wood Supply in Lowlands." Wacław PIKUS, Master of engineering, of the Department of Forest Management, Institute of the Forestry Research Institute (Instytut Badawczy Lasów i Gospodarki Leśnej); pp. 206-209.
7. "Photogrammetry and Country Planning." Wiktor RICHART; pp. 209-214.
8. "Photogrammetry Used for Road Planning and Road Building." Józef WACHNIAK, Master of engineering, of the Department of Photogrammetry of the Warsaw Polytechnic (Instytut Fotogrametrii Politechniki Warszawskiej); pp. 215-218.
9. "Photogrammetric Documentation in Archaeology, Archaeology and Anthropology." Wacław WIEROJĘTOWSKI, Master of engineering, of the Institute of Photogrammetry of the Warsaw Polytechnic (Instytut Fotogrametrii Politechniki Warszawskiej); pp. 219-221.
10. "Photogrammetric Methods for the Inventory of Historical Monuments." Jan GUSŁO, Master of engineering, Assistant Professor of the Institute of Archaeology and Ethnology (Instytut Archeologii i Etnologii); pp. 221-225.
11. "In Geodesy Prof. Dr. Jan PIOTROWSKI." Zdzisław ADAMCZYK; pp. 225-226.

- 1/2 -

KOWALCZYK, Zygmunt, prof. dr inż.

Tremors in the Upper Silesian region. Przegl gorn 19 no.3:109-113
Mr '63.

KOWALCZYK, Zygmunt, prof. dr inż.

Stereophotogrammetric documentation of mining accidents and breakdowns.
Przegl geod 35 no.4:177-182 Ap '63.

1. Akademia Gorniczo-Hutnicza, Krakow.

KOWALCZYK, Zygmunt

Determination of the dependence between the size of deformations of the surface and the shape of the field of utilization. Geod i kart 12 no.1:37-57 '63.

KOWALCZYK, Zygmunt

Orientation of a mine based on linear measurements. Geod i kart
11 no.3/4:195-202 '62.

KOWALCZYK, Zygmunt; SITEK, Zbigniew

Accuracy testing of the objective of a photocamera. Geodezja AGH
no.4:35-45 '63.

1. Department of Mining Survey, School of Mining and Metallurgy,
Krakow.

KOWALCZYK, Zygmunt

Suggestion of methods for complex investigation of tectonic movements with particular consideration of mining areas.

Acta geophys Pol 11 no. 1/2: 119-125 '63.

1. Akademia Gorniczo-Hutnicza, Krakow.

KOWALCZYK, Zygmunt, dr

Comparison of real and predicted deformations based on the theory
of vertical profiles in cases of troughs not yet completely formed.
Przegl geod 34 no.9:365-370 S '63.

KOWALCZYK, Zygmunt, prof. dr inz.

Comparison of the size of real and anticipated deformations
on the basis of the theory of vertical profiles in case of
complete subsidence. Przegl geod 35 no. 6:231-237 Je '63.

GRUDZINSKI, S.; KOTELKO, A.; KONALCZYK, Z.

Studies on cyanomethyl esters. Pt. 3. ~~Acta chim~~ 9:71-82 1964.

1 Institute of Technology of Drugs of the School of Medicine,
Lodz. Presented Nov. 1962.

KOWALCZYK, Zygmunt, prof.

Construction, operation principles and use of the gyrocompass
in surveying. Przegl geod 36 no. 1:1-8 Ja '64.

1. Akademia Gorniczo-Hutnicza, Krakow.

KOWALCZYK, Zygmunt, prof. dr inz.

Application of photogrammetry in geologic prospecting
works and in opencast mining. Przegl gorn 20 no. 2:
51-60 F '64.

KOWALCZYK, Zygmunt, prof.dr inż.; SITEK, Zbigniew, dr inż.

Experiment in utilizing stereophotogrammetry for the preparation
of maps of underground mine workings. Przegl. gór. 20 no.6:
301-306 Je '64

KONALCZYK, Zygmunt

Design of a simplified triangulation point construction with elevated stations. Geodezja Krakow no.6:11-14 '64.

Pneumatic signal for use in triangulation and topographic works.
Ibid.:15-18

1. Department of Mine Surveying of the School of Mining and Metallurgy,
Krakow.

KOWALCZYK-KANIEWSKA, Teresa

Colorimetric determination of 3-aminophenol in the sodium salt of 4-aminosalicylic acid (sodium-PAS). Acta pol. pharm. 19 no.4:341-344 '62.

1. Z Zakładu Chemii Analitycznej Instytutu Leków Kierownik: doc.
mgr inż. Z. Margasinski.
(PHENOLS) (ANILINE COMPOUNDS) (AMINOSALICYLIC ACID)
(COLORIMETRY) (CHEMISTRY, PHARMACEUTICAL)

KOWALCZYKOWA, J.

100 Years of the work of the Cracow Department of Pathological
Anatomy. Pat. polska 3 no.4:301-308 Oct-Dec 1952. (CLML 24:2)

1. Of the Institute of Pathological Anatomy (Head--Prof. J. Kowal-
czykowa, M.D.) of Krakow Medical Academy.

KOWALCZYKOWA, Janina

Unknown work of Ludwik Teichmann on injection into the hair. Pat.
polska 5 no.1:31-33 Ja-Mr '54.

1. Z Zakladu Anatomii Patologicznej Akademii Medycznej w Krakowie.
Kierownik: prof. dr J.Kowalczykowa.

(BIOGRAPHIES;

*Teichmann, Ludwik)

(HAIR,

*impregnation, Teichman method)

KOWALECZYK, Jan, Doc. dr.

In Memoriam prof. Dr. Jan Glatzel, 1888-1954. Polski tygod. lek.
9 no.32:1021-1023 9 Aug 54.

(OBITUARIES,

Glatzel, Jan)

(BIOGRAPHIES,

Glatzel, Jan, bibliog.)

ALEKSANDROWICZ, Julian; KOWALCZYKOWA, Janina; PRZYBYLIEWICZ, Zdzislaw,
Krakow

Acute reticulosis in the course of a Bartonella infection. Przegl.
lek. Krakow 10 no.12a:347-351 Dec 54.

1. Z III Kliniki Chorob Wewnętrznych, z Zakładu Anatomii Patol.
i Zakładu mikrobiologii lekarskiej Akad. Med. w Krakowie

(BARTONELLA INFECTIONS, complications

lymphoma, acute)

(LYMPHOMA, complications

Bartonella infect.)

KOWALCZYKOWA, Janina

Circulatory changes in human tuberculosis treated with isonicotinic acid hydrazide. Gruslica 22 no.12:833-838 Dec. '54.

1. Z zakladu Anatomii Patologicznej Akademii Medycznej w Krakowie. Kierownik: prof.dr J. Kowalczykowa. Krakow, Dietla 83.

(TUBERCULOSIS, therapy

isoniazid, eff. on circulation)

(NICOTINIC ACID ISOMERS, ther. use

isoniazid, eff. on circulation)

(BLOOD CIRCULATION, eff. of drugs on

isoniazid in ther. of tuberc.)

KOWALCZYKOWA, Janina; SOKOLOWSKI, Stefan.

Border-line neoplastic-inflammatory conditions; malignant granuloma. Otolar. polska 9 no.3:189-196 1955.

1. Z Kliniki Laryngologicznej A.M. w Krakowie: Kierownik: prof. dr. J.Miodonski. Z Zakladu Anatomii Patologicznej A.M. w Krakowie. Kierownik: prof. dr. J.Kowalczykowa.
(HODGKIN'S DISEASE)

KOWALCZYKOWA, JANINA
~~KOWALCZYKOWA, Janina; SOKOLOWSKA-PITUCHOWA, Janina~~

Kidney neoplasms. Urol. polska 10:31-46 1956.

1. Z Zakladu Anatomii Patologicznej A. M. w Krakowie. Kierownik:
prof. dr J. Kowalczykowa.

(KIDNEYS, neoplasms
classif. (Pol))

BOBROWA-PORWIT, Zofia; CHLAP, Zbigniew; KOWALCZYKOWA, Janina, PRZYBYLKIOWICZ,
Zdzislaw

Cytopathology of HeLa strain cancer cells (carcinoma cervicis Gey)
resulting from the activity of vaccinia virus; observations on tissue
culture in vitro. Pat.polska 9 no.2:163-173 Apr-June 58.

1. Z Zakladu Anatomii Patologicznej A.M. w Krakowie. Kierownik:
prof. dr J. Kowalczykowa i z Zakladu Mikrobiologii Lekarskiej A.M.
w Krakowie Kierownik prof. dr Z. Przybylkiewicz. Adres autora:
Krakow, ul. Czysta 16.

(VACCINIA, virus

eff. on HeLa cells in tissue culture (Pol))

(TISSUE CULTURE,

eff. of vaccinia virus on HeLa cells in tissue culture
(Pol))

HORNUNG, Stanislaw; KOWALCZYKOWA, Janina; PARYSKI, Edwin; KULIG, Andrzej;
LATAK, Zofia; POLOHCZYK, Mieczyslaw; WASOWICZ, Anna

The course and morphological picture of experimental tuberculosis in guinea pigs produced by the strains of Mycobacterium tuberculosis isolated from patients treated by INH. Gruzlica 27 no.7:621-640 JI.'59.

1. Z Kliniki Petyzjatrycznej A.M. w Krakowie. Kierownik: prof.dr S. Hornung; z Zakladu Anatomii Patologicznej w Krakowie. Kierownik: prof.dr J. Kowalczykowa i Z Sanatorium im. Chalubinskiego w Zakopanem. Dyrektor: dr E. Paryski.

(TUBERCULOSIS exper.)

KOWALCZYKOWA, Janina (Krakow, ul. Dietla 83)

Pathological anatomy of the osteo-hemopoietic system, Polskie arch.
med. wewn. 29 no.2:153-162 1959.

1. Z Zakladu Anatomii Patologicznej A.M. w Krakowie Kierownik:
prof. dr med. J. Kowalczykowa.
(BONE MARROW, pathol.
(Pol))

KOWALCZYKOWA, Janina

Significance of patho-anatomical examinations of resection specimens.
Postępy hig. med. dow. no.2:101-108 '60.

1. Z Zakładu Anatomii Patologicznej Akademii Medycznej w Krakowie
Kierownik: prof. dr Janina Kowalczykowa.

(TUBERCULOSIS PULMONARY pathol)

TEMPKA, T.; KOSTKOWSKI, A.; MACIEJEWSKA, Gr.; PRZYBYLKIEWICZ, Z.;
LASKOWNICKA, Z.; KOWALCZYKOWA, J.; NOWAK, K.

Cryptococcus septicemia (torulosis) in the light of personal investigations, with special reference to the use of phase microscopy in the diagnosis. Acta medica polona (Warszawa) 1 no. 3/4: 249-258 '60.

1. II Clinic of Internal Diseases of the Medical Academy in Cracow. Director: Professor T. Tempka M.D. (for Tempka, Kostkowski, Maciejewska). 2. Department of Medical Microbiology of the Medical Academy in Cracow. Director: Professor Z. Przybylkiewicz M.D. (for Przybylkiewicz, Laskownicka) 3. Department of Pathological Anatomy of the Medical Academy in Cracow. Director: Professor J. Kowalczykowa M.D. (for Kowalczykowa, Nowak)

1/2 (CRYPTOCOCCOSIS diag) (SEPTICEMIA diag) !

KOWALCZYKOWA, Janina; TETER, Jerzy; MIKULOWSKI, Pawel

Precocious puberty due to an ovarian tumor composed of germ cells and Sertoli-granulosa cells (gonocytoma II). Acta medica polona 3 no.2: 159-170 '62.

1. Department of Pathological Anatomy, Medical Academy, Grocow
Director: Professor Dr. J. Kowalczykowa I Gynecological and Obstetrical
Clinic, Medical Academy, Warsaw Director: Professor Dr T. Bulski.
(PUBERTY, PRECOCIOUS etiol.) (OVARY neoplasms)
(GRANULOSA CELL TUMOR diag.) (SERTOLI CELL TUMOR diag.)

KOWALCZYKOWA, Janina; SZCZUDRANA, Jerzy; GEORGIADIS, Jerzy; BOBROWA, Zofia

Experimental investigations of epidemic hepatitis. I. Temporary sensitivity to infection and anatomopathological lesions in livers of mice infected with the mouse-adapted Motol virus. Acta medica polona 3 no.3:257-262 '62.

1. Department of Medical Microbiology, Medical Academy, Cracow
Director: Prof. Dr. Z. Przybylskiwicz Department of Pathological
Anatomy, Medical Academy, Cracow Director: Prof. Dr. J. Kowalczykova.
(HEPATITIS, INFECTIOUS)

POLAND

Janina KOWALCZYKOWA, Institute of Pathologic Anatomy, Medical Academy,
Krakow [Original version not given.]

"The Present Situation of Genetics in Poland."

Krakow, Folia Biologica, Vol 10, No 3-4, 1962; pp 313-314.

Abstract [English article]: Introductory article to summarizations of 20 papers presented at the symposium on human genetics held in Warsaw January 18, 1962: this was devoted primarily to methods of organizing a strong corps of geneticists in Poland, with discussion of textbooks, educational and organizational activities; tasks - demography research, anthropological genetics, medical genetics, cytogenetics, environment, experimental genetics, eugenics. These aspects are briefly reviewed.

1/1

SCHWARZ, Stefan; SOWINSKI, Stefan; HELBICH, Adam; KOWALCZYKOWA, Janina

Malignant chorioepithelioma of the uterus. Pat. polska 13 no.2:
235-238 '62.

1. Z I Kliniki Poloznictwa i Chorob Kobietych AM w Krakowie Kierownik:
prof. dr S. Schwarz Z Zakladu Anatomii Patologicznej AM w Krakowie
Kierownik: prof. dr J.Kowalczykowa.
(UTERUS NEOPLASMS case reports) (CHORIOCARDINOMA case reports)

KOWALCZYKOWA, Janina; TETER, Jerzy; MIKULOWSKI, Pawel

Precocious puberty caused by a neoplasm of the ovary composed of germ-cells and of Sertoli granulosa cells (gonocytoma II).
Endokry. pol. 13 no.3:365-375 '62.

1. Zakład Anatomii Patologicznej AM w Krakowie Kierownik: prof. dr
J. Kowalczykowa I Klinika Położnictwa i Chorob Kobietych AM w
Warszawie Kierownik: prof. dr. T. Bulski.
(OVARIES neopl) (PUBERTY PRECOCIOUS etiol)
(GRANULOSA CELL TUMORS in inf & child)

NOWAKOWA, Krystyna; KOWALCZYKOWA, Janina; ALEKSANDROWICZ, Julian;
JANICKI, Kazimierz

On difficulties in the differential diagnosis of sympathoblastoma from
tumors of the hematopoietic system. Pol. arch. med. wewnet. 32 no.2:
237-247 '62.

1. Z Zakładu Anatomii Patologicznej AM w Krakowie Kierownik: prof. dr
med. J. Kowalczykowa i z III Kliniki Chorob Wewnętrznych AM w Krakowie
Kierownik: prof. dr med. J. Aleksandrowicz.

(NEUROBLASTOMA diag) (HEMATOPOIETIC SYSTEM neopl)

KOWALCZYKOWA, Janina; KULIG, Andrzej; JORASZ, Elzbieta; HALAMA, Andrzej

Tumors of the olfactory placode. Acta med. pol. 3 no.4:395-415 '62.

1. Department of Pathological Anatomy, Medical Academy, Cracow.
Director: Prof. Dr J. Kowalczykowa The Radiological Clinic, Medical
Academy, Cracow, Director: Prof. Dr St. Januszkiewicz The Laryngological
Clinic, Medical Academy, Cracow, Director: Prof. Dr. J. Miodonski.
(EPISTAXIS) (NASAL POLYPS) (NOSE NEOPLASMS)

HORNUNG, Stanislaw; KOWALCZYKOWA, Janina; KULIG, Andrzej; POLONCZYK, Mieczyslaw; ROKITA, Zofia; SMACZNA, Danuta.

Effect of INH and SM therapy of experimental tuberculosis caused by strains with a low INH-resistance. Gruzlica 31 no.12:1177-1184 D'63.

1. Z Kliniki Ftizjatrycznej (kierownik: prof. dr. St.Hornung) i z Zakładu Anatomii Patologicznej AM w Krakowie (kierownik: prof. dr. J.Kowalczykowa).

*

KOWALCZYKOWA, Janina

The present situation of genetics in Poland. Folia biol 10 no.3/4:
313-314 '62.

1. Institute of Pathologic Anatomy, Medical Academy, Krakow.

*

ZEBRO, Tedeusz; KOWALCZYKOWA, Janina; STACHURA, Jerzy

Resistance of the C57 black strain of mice to radiation-induced leukemias. Previously undescribed late post-irradiation changes. Pol. tyg. lek. 18 no.50:1878-1884 9 D*63.

1. Z Zakladu Anatomii Patologicznej AM w Krakowie; kierownik: prof.dr. Janina Kowalczykowa.

*

KOWALCZYKOWA, J.; PRZYBYLKIEWICZ, Z.; SZCZUDRAWA, J.;
~~GEORGIADES, J.; PORWIT-BOBR, Z.~~

Viremia and pathologic changes in the mouse liver during
infection with virulent variant of Motol virus. Postepy
mikrobiol 2 no.2:221-223 '63.

1. Department of Medical Microbiology and Department of
Pathology, School of Medicine, Krakow.

CHLAP, Zbigniew; KOWALCZYKOWA, Janina; PORWIT-BOBR, Zofia

Studies on the oncogenic activity of the polyoma virus in vitro and in vivo. II. Development of pathologic lesions in the Syrian hamster in the course of infection with the polyoma virus. Acta med. pol. 4 no.1:93-103 '63.

1. Department of Pathological Anatomy, Medical Academy, Cracow
Director: Prof. Dr. J. Kowalczykowska Department of Medical Microbiology,
Medical Academy, Cracow Director: Prof. Dr. Z. Przybylski
(POLYOMA VIRUS) (HEART NEOPLASMS) (LUNG NEOPLASMS)
(BRAIN NEOPLASMS) (LIVER NEOPLASMS)

KOWALCZYKOWA, Janina; PRZYBYLKIOWICZ, Zdzislaw; SZCZUDRAWA, Jerzy;
GEORGIADIS, Jerzy; PORWIT-BOBR, Zofia

Experimental studies of epidemic hepatitis. II. The dynamics of viremia and of the development of anatomopathological lesions in the livers of mice infected with the mouse-virulent variant of the Motol virus. Acta med. Pol. 4 no.3:281-289 '63.

1. Department of Medical Microbiology, Medical Academy, Cracow
Director: Prof. Dr. Z. Przybylkiewicz. Department of Pathological
Anatomy, Medical Academy, Cracow, Director: Prof. Dr. J.
Kowalczykowska.

(HEPATITIS, INFECTIOUS) (HEPATITIS, ANIMAL)
(HEPATITIS VIRUSES) (TISSUE CULTURE)
(LIVER CYTOLOGY) (PATHOLOGY) (BLOOD)

MIKULOWSKI, Włodzimierz; KOWALCZYKOWA, Janina; GUMINSKA, Maria; SZCZUDRAWA, Jerzy.

Chemical and clinico-anatomical studies on sphingomyelin lipidosis in children. Pol. tyg. lek. 19 no.8:304-308 17 F '64.

1. Z II Kliniki Chorob Dzieci Akademii Medycznej w Krakowie (kierownik: prof. dr. Bogusław Halikowski); z Zakładu Anatomii Patologicznej Akademii Medycznej w Krakowie (kierownik: prof. dr. Janina Kowalczykowska); z Zakładu Chemii Fizjologicznej Akademii Medycznej w Krakowie (kierownik: doc. dr. Włodzimierz Ostrowski).

KOWALCZYKOWA, Janina

Tadeusz Browicz (1847-1928). Pol. tyg. lek. 19 no.13:484 23 Mr '64.

KOWALCZYKOWA, Janina

History of the Department of Pathological Anatomy of the
Academy of Medicine in Krakow. Pol. tyg. lek. 19 no.23:
883-884 1 Je'64

HORNUNG, Stanislaw; KOWALCZYKOWA, Janina; KULIG, Andrzej; POJANOSZYK,
Mieczyslaw; ROKITA, Zofia; SMACZYNA, Irena

The course and morphological picture of experimental tuberculosis
in guinea pigs produced with strains of *Mycobacterium tuberculosis*
isolated from INH treated patients. III. Effect of the treatment
with large doses of INH on experimental tuberculosis caused by
strains with low INH resistance. *Struclica* 32 no.5:423-429 My '64.

1. z Kliniki Ptisjatrzycznej (Kierownik: prof. dr. S. Hornung) i
z Zakładu Anatomii Patologicznej Akademii Lekarskiej w Krakowie
(Kierownik: prof. dr. J. Kowalczykowa).

KOMAROVSKAYA, Marina

600 years of medicine Moscow. Novotvory 11 no.40813-015
(-D '61

KOWALCZYKOWA, J.

600th anniversary of the Jagiellonian University. Pat.Pol. 15
no.4:iii-vi O-D '64

KOWALCZYKOWA, Janina; NIEZABITOWSKI, Aleksander; SZCZUDRAWA, Jerzy;
TOMASIK, Bronislaw

Morphological and clinical picture of tumors of paraganglionic
bodies of the parasympathetic system. Nowotwory 15 no.2:115-122
Ap-Je '65.

1. Z Zakładu Anatomii Patologicznej AM w Krakowie (Kierownik:
prof. dr. med. J. Kowalczykowa) i z Pracowni Anatomopatolo-
gicznej Miejskiego Szpitala Socjalistycznego im. dr. Anki w
Krakowie (Kierownik: dr. B. Tomasik).

KOWALCZYKOWA, Janina; HASLINGER, Roman; KULIG, Andrzej

Mesotheliosia or mesothelioma peritonei? Nowotwory 15 no.3:
235-237 J1-S '65.

1. Z Zakładu Anatomii Patologicznej AM w Krakowie (Kierownik:
prof. dr. med. J. Kowalczykowa) i z Oddziału Poloznictwa i
Chorob Kobietych "A" Szpitala im. G. Narutowicza w Krakowie
(Kierownik: dr. med. A. Konstatynowicz).

SOKOLONSKA-PITUCHOWA, J.; KOWALCZYKOWA, J.; KUS, J.; PIOTROWSKI, J.
SAWICKI, B.

Teratogenic effect of malachite green in experimental animals.
Preliminary report. Fol. biol. (Krakow) 13 no.3:311-315 '65.

1. Department of Descriptive and Topographical Anatomy, Medical
Academy, Krakow and Department of Pathological Anatomy, Medical
Academy, Krakow.

KOWALEWSKA, Jadwiga Urszula; KOWALEWSKI, Leon

Ferrites with hexagonal structure. Postepy fizyki 16 no.1:
51-67 '65.

1. Department of Theoretical Physics of the A.Mickiewicz University,
Poznan (for Leon Kowalewski). 2. Department of Ferromagnetics of
the Institute of Physics, Poznan, of the Polish Academy of Sciences
(for Jadwiga U. Kowalewska).

KOWALCZYNSKI, J.K.

Spinless interaction of slow neutrons with a particular type
of rectangular complex cavity. Acta physica Pol 21 no.5:549-551
My '62.

1. Institute of Experimental Physics, University, Warsaw.

KOWALESKI, Jan

~~THIS PAGE IS UNCLASSIFIED~~

Lambliasis. Wiadomosci lek. 7 no.1:18-22 Jan. 54.
(GIARDIASIS,)

27320

P/046/60/005/011/009/018
D249/D303

21.5210

AUTHOR: Kowalew, Andrzej

TITLE: Some problems of activation during periodical
operation of a reactor

PERIODICAL: Nukleonika, v. 5, no. 11, 1960, 755 - 759

TEXT: The author discusses methods of estimating the time of activation required for producing a given activity of a radioisotope in the target material. The operation of the "EWA" reactor is not continuous and, therefore, it is difficult to estimate the effectiveness of activation, in particular for prolonged exposures in the range of 2 months to several years. It is possible, however, to simplify the problem considerably by introducing the following two assumptions: 1) The operation of the reactor is periodical. The duration of the cycle is 168 h (1 week) including 72 h of continuous operation at 2MW output, 72 h of shut-down and 24 h of operation at a reduced or variable output. Since the latter period -

Card 1/3

27320

P/046/60/005/011/009/018
D249/D313

Some problems of activation ...

does not contribute much to the activation it is altogether neglected, so that a total period of 96 h of shut-down is assumed. 2) All secondary nuclear reactions with the isotope being produced are neglected. With these assumptions the activity S (decay/sec) induced during exposure $t = nt_c - t_2$ can be obtained from the expression $S = A_s K [1 - \exp(-n t_c)]$, where $t_c = t_1 + t_2$ is the duration of the cycle (1 week), t_1 and t_2 are the times of continuous operation and of shut-down, n - total number of cycles, A_s - saturation activity and

$$K = \frac{1 - \exp(-\lambda t_1)}{1 - \exp(-\lambda t_c)}$$

or approximately $K = t_1/t_2$. Finally the question is considered whether it is possible to make up for the lost effectiveness of activation due to periodical operation by extending the time of exposure. It is pointed out that the maximum activity which can be

Card 2/3

27320

P/046/60/005/011/009/018
D249/D303

Some problem of activation ...

reached at periodical operation is given by expression: S_{\max}
 $= A_g K < A_g$, as compared with $S = A_g (1 - e^{-\lambda t})$ for continuous operation, so that the answer for the above question is negative. Two numerical examples are presented. There is 1 Soviet-bloc reference. ✓

ASSOCIATION: Instytut badań jądrowych, Warszawa, zakład technologii izotopów i związków znaczonych (Institute of Nuclear Research, Warsaw, Department of Isotope and Tracer Technology)

SUBMITTED: November, 1960

Card 3/3